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| Class | Sub. | Date | Exmr. |
| 717 | 9 151 5 7 8 4 | 12/31/01 | Kan |
| updated search as above | | 9/23/02 | Kan |
| 717 | 151 (old 9) 136 (old 5) 146 (old 7) 143 (old 8) 124 (old 4) 152 154-158 145, 128 130-133 | 5/29/03 | Kan |
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| SEARCH NOTES (INCLUDING SEARCH STRATEGY) | | |
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| | Date | Exmr. |
| 101 Panel consulted (Robert Weinhardt) | 12/20/01 | Kan |
| Inventor search | 12/31/01 | |
| East (USPAT, US PGPUB, EPO, JPO, DERWENT, IBM TDB) | " | |
| Hugh Jones consulted | 1/12/02 | |
| Non Patent Literature Search: | | |
| Citeseer (Scientific Literature Digital Library) | 5/23/03 | Kan |
| " | 5/29/03 | " |
| ACM | " | " |
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